Insifa

Hot, Cold Wallet MasterNode VPS setup Guide

2018.12.18

Insifa
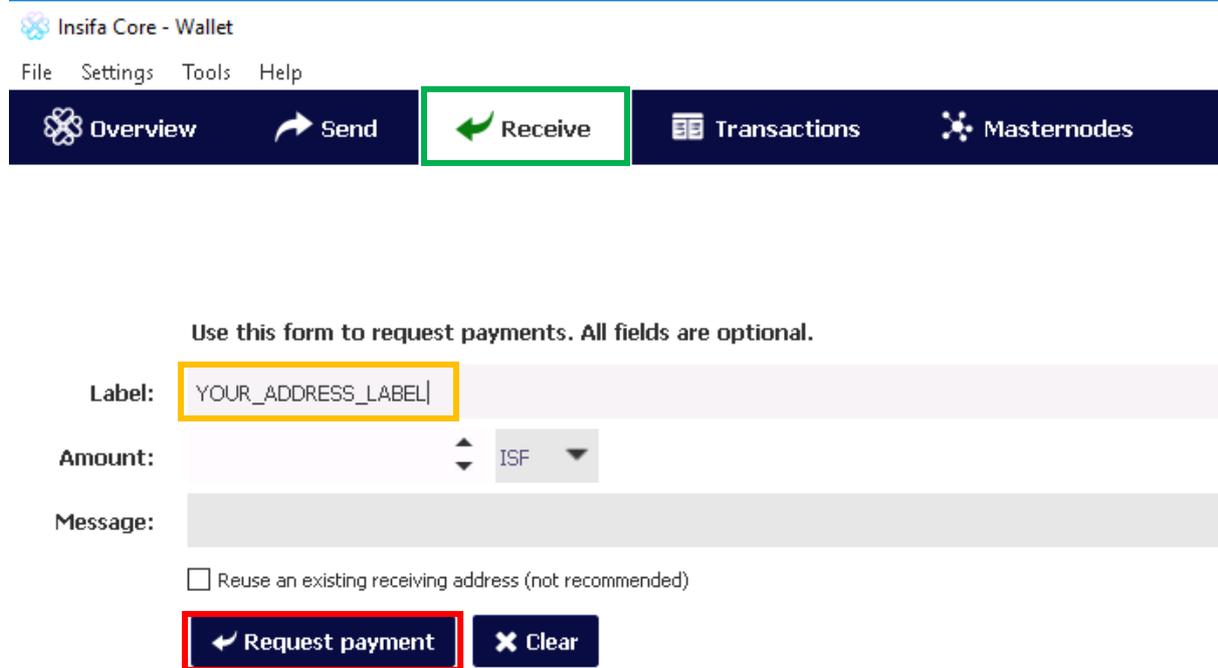
Contents

1. Windows cold wallet guide

- 1.1 Download the latest Insifa Windows wallet (Download wallet only from the official github for safety!)

Windows wallet : https://github.com/Insifa/insifa/releases/download/v1.0.0/insifa-1.0.0-win32.zip

- 1.2 How to make your own Insifa address

Figure 1.

a) Click the 'Receive' tab (green box)

b) Type in your wallet label (orange box)

c) Click 'Request payment (red box)

d) Now your new wallet address is created (Fig. 2)

▶ You can copy address by clicking 'Copy Address' tab

Figure 2.

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![Insifa logo]

(Optional) How to reveal specific amount of coin for each address

Go to Settings → Options → Wallet

a) Check 'Enable coin control features'

▶ Coin amount will be displayed at 'Send' tab → Inputs

- 1.3 How to send ISF

a) Click 'Send' tab

b) Type in Receiver's address in 'Pay To' (red box)

c) Type in amount of ISF to send (green box)

d) Click 'Send' (orange box)

Figure 3.

- **1.4 Encrypting Windows wallet**

    Go to Settings → Encrypt Wallet → Insert password twice

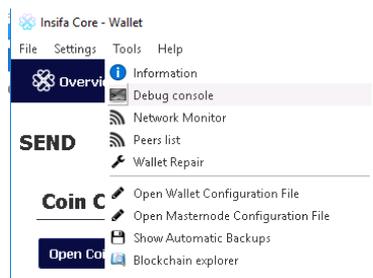   (Reminder: Never forget or lose your password!)

2. MasterNode setup guide

- **2.1 Make new address for Masternode (Refer to step 1.2 for guidance)**

- **2.2 Send exactly '5000 ISF' to address which is made in step 2.1 (Refer to step 1.3 for guidance)**

    ▶ It will automatically include fee, so you just need to type 5000 at 'Amount'

- **2.3 Get privkey, TxHash and Output index**

Figure 4.

Go to Tools → Debug console

a) Type in 'masternode genkey', (copy & paste the result in notepad)

> ▶   11:35:41 masternode genkey
>   11:35:41 22qzcosP2E1X4FTu5G7pNmsHVGA4zkezgpmnuQezz7ug2jWuLCE

b) Type in 'masternode outputs', (copy & paste the result in notepad)

    ▶ Result shows "TxHash" : "Output index"

> ▶ 11:38:51 masternode outputs
>   11:38:51 [
>   {
>   "txhash": "e4724dd79da19dce94863624c0f7e71c8e92bbe43b7a158af266307e9fa0b62c",
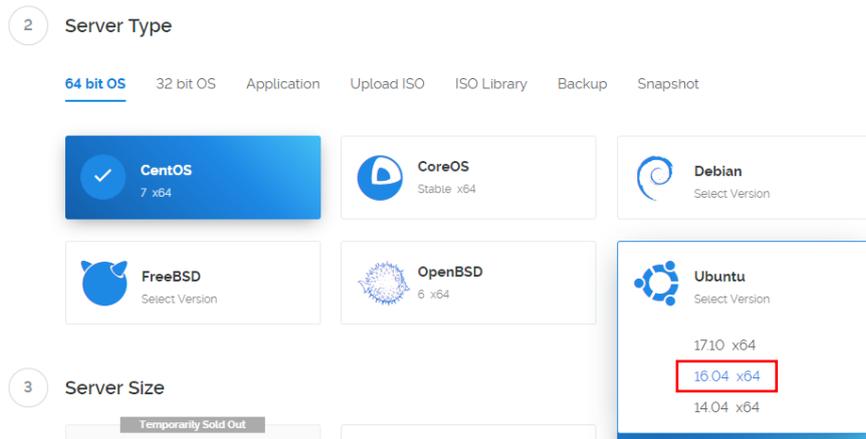>   "outputidx": 1
>   }
>   ]

Error: If you get a result like this, it means that there are no wallets containing 5000 ISF

> ▶   masternode outputs
>   {
>   }

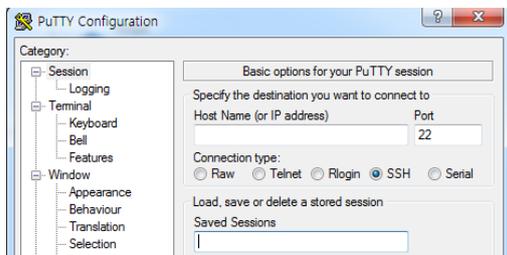- **2.4 Purchase VPS (**Vultr is used for this tutorial**,** https://goo.gl/9TSmQF**)**

    Deploy new server → Server type (64 bit OS → Ubuntu 16.04 x64) → Server size (5$/mon)
    → Type in server host name → Click 'Deploy now'

Figure 5

- 2.5 Download PuTTy from the internet and login to VPS

**Figure 6**

a) Type in your VPS IP address (refer step 2.4)

b) Click 'open'

c) Click 'yes' when PuTTY Security alert pops out

d) Type in 'root' at PuTTY window

e) Copy password from vultr, right click on the PuTTY

▶ Actual password will be hidden

- 2.6 Install Linux daemon and Masternode at VPS

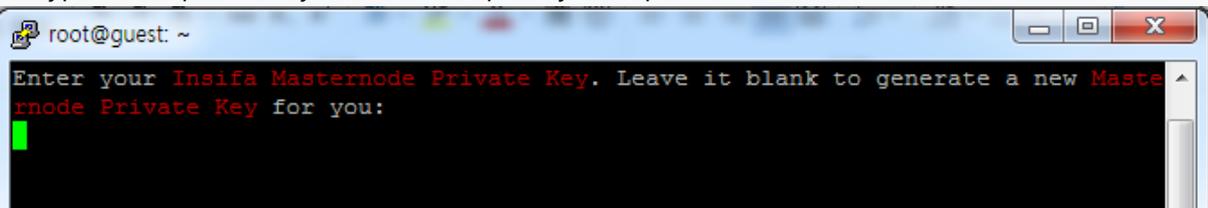Copy and paste (right click at PuTTY) the line below, and press enter.

wget -q https://raw.githubusercontent.com/Insifa/insifa/master/insifa_mn.sh && bash insifa_mn.sh

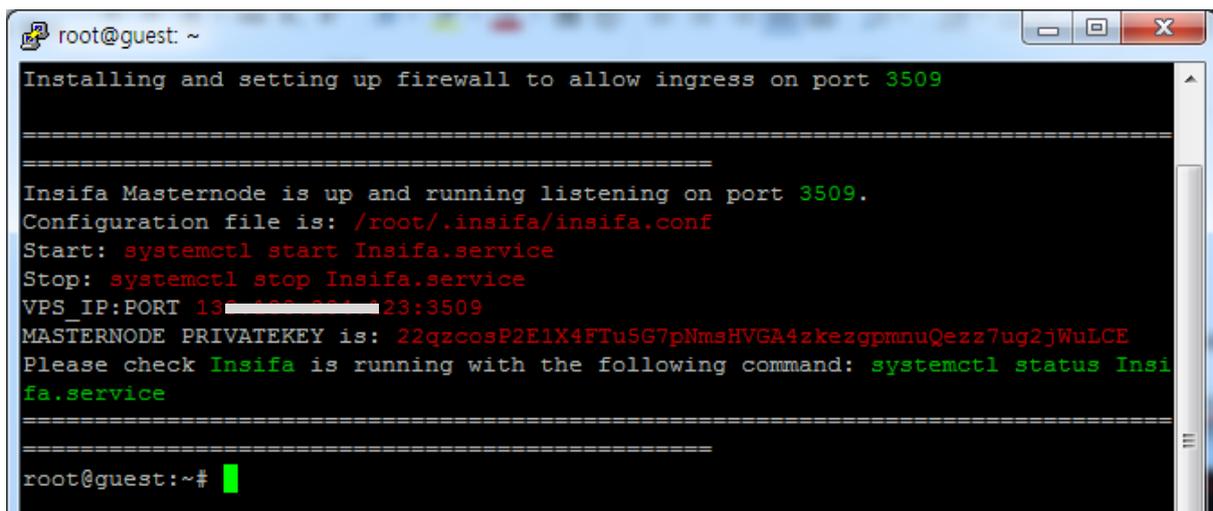It will automatically build a masternode.

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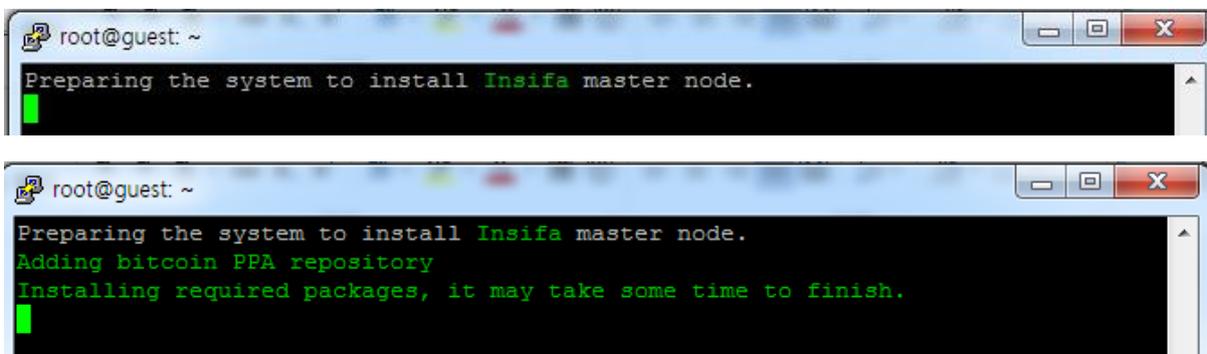
Insifa

Wait until you see the screen same as below. (It make take some time to finish)

▶ Type in the private key (refer 2.3 (a), privkey) and press enter.

▶ Once you see the following pop-up window, Masternode setup(for VPS side) is finished!
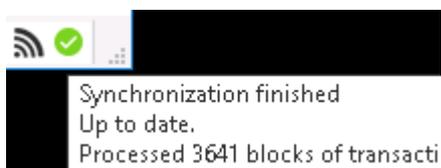

Wait until daemon gets the block. You can see block height using following command.

insifa-cli getblockcount

Wait until it matches with windows wallet (fully synchronized)

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(Optional) How to check if VPS is working properly

1) Type in the following in PuTTY

```
systemctl status Insifa.service
```

▶ Once you see the following, VPS is running fine

```
root@guest:~# systemctl status Insifa
● Insifa.service - Insifa service
   Loaded: loaded (/etc/systemd/system/Insifa.service; enabled; vendor preset: e
   Active: active (running) since Wed 2018-12-19 11:59:20 UTC; 22min ago
 Main PID: 10700 (insifad)
   CGroup: /system.slice/Insifa.service
           └─10700 /usr/local/bin/insifad -daemon

Dec 19 11:59:20 guest systemd[1]: Starting Insifa service...
Dec 19 11:59:20 guest insifad[10696]: Insifa server starting
Dec 19 11:59:20 guest systemd[1]: Started Insifa service.
lines 1-10/10 (END)
```

2) Type in the following in PuTTY

```
insifa-cli masternode status
```

```
root@guest:~# insifa-cli masternode status
{
  "txhash": "e4724dd79da19dce94863624c0f7e71c8e92bbe43b7a158af266307e9fa0b62c",
  "outputidx": 1,
  "netaddr": "13      23:3509",
  "addr": "F6Bfu6Bwn1XAA4FoP6xM7BL4hx3dbpD6dm",
  "status": 4,
  "message": "Masternode successfully started"
}
root@guest:~#
```

"message" : "Masternode successfully started" -> You are good

If you see this message below, you have to start masternode at your windows wallet.

```
root@guest:~# insifa-cli masternode status
error code: -1
error message:
Masternode not found in the list of available masternodes. Current status: Not c
apable masternode: Hot node, waiting for remote activation.
root@guest:~#
```
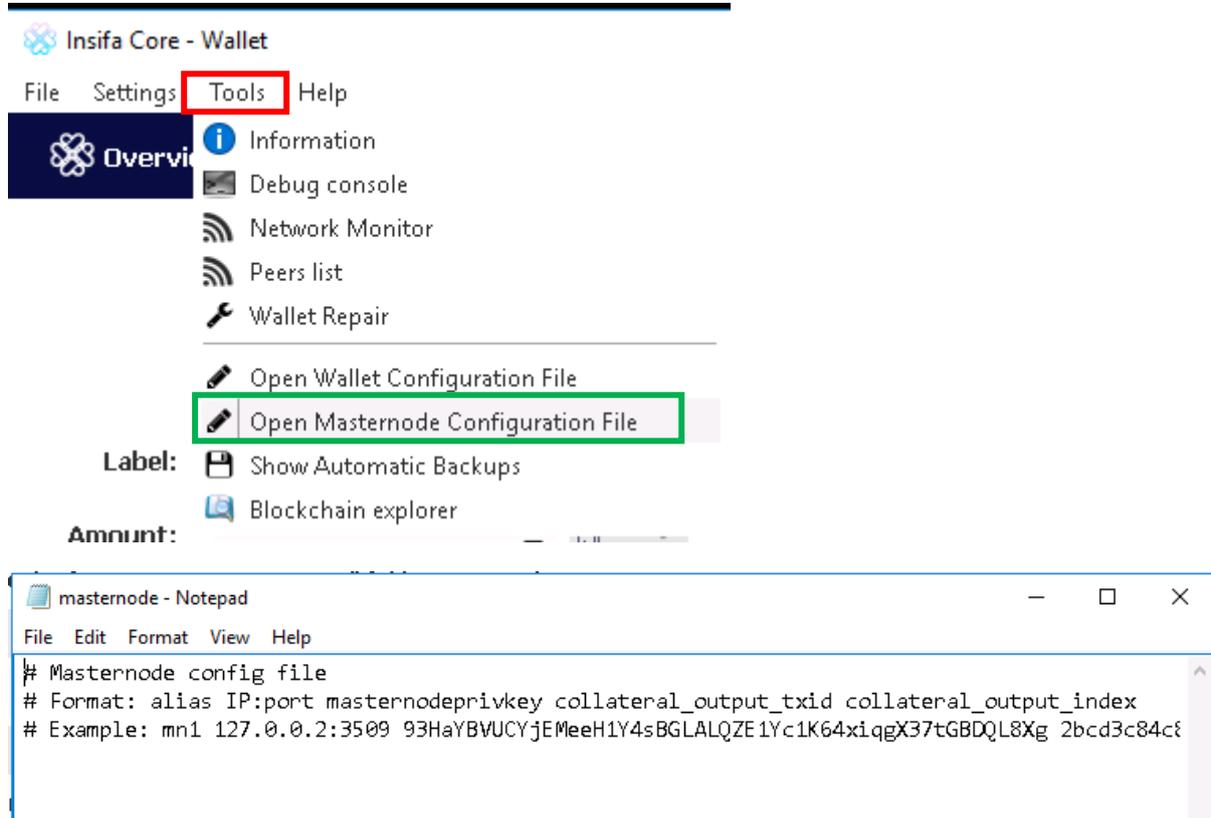
Also, if you want to start/stop Insifa, run one of the following commands as root:

```
systemctl start Insifa
systemctl stop Insifa
```

2.7 Setup the Masternode at Windows wallet

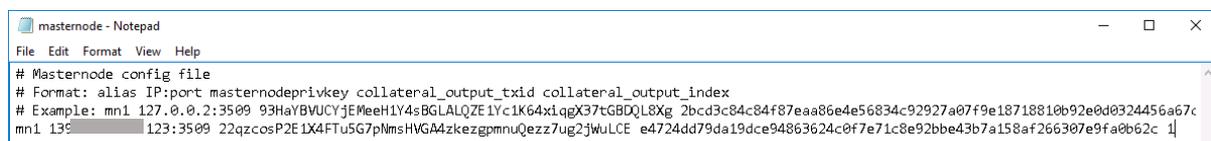a) Open masternode configuration file

Go to Tools -> 'Open Masternode Configuration File' (open with notepad program)

b) Type in the following command (red part should be changed to your own values, spaces must be included)

mn1 SERVERIP:3509 PRIVKEY(refer 2.3a) TXID(refer2.3b) OUTPUT_INDEX(refer 2.3b)

▶ Example

c) Save 'masternode.conf', and restart the Windows cold wallet (and wait for the sync process)

▶ Click the 'Masternode' tab → Masternode status will be shown as 'MISSING' for now

Alias	Address	Protocol	Status	Active
mn1	139.180.204.123:3509	-1	MISSING	00m:00s

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d) Wait until your 5000 ISF transaction gets more than 15 confirmations.

e) Click your Masternode and click 'Start alias' button below (Unlock the wallet first, if it's encrypted)

▶ Once you see the following pop-up window, Masternode setup is finally finished!